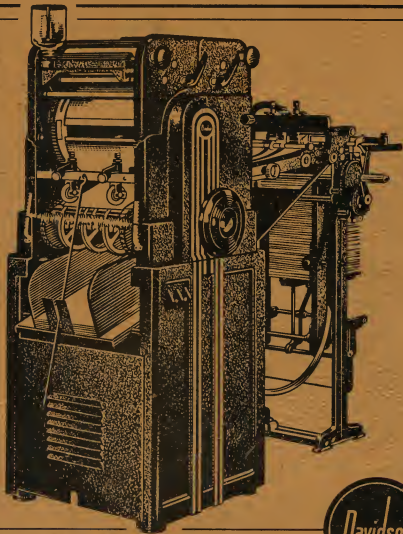


Parts
for
DAVIDSON *dual* DUPLICATOR
MODEL 221

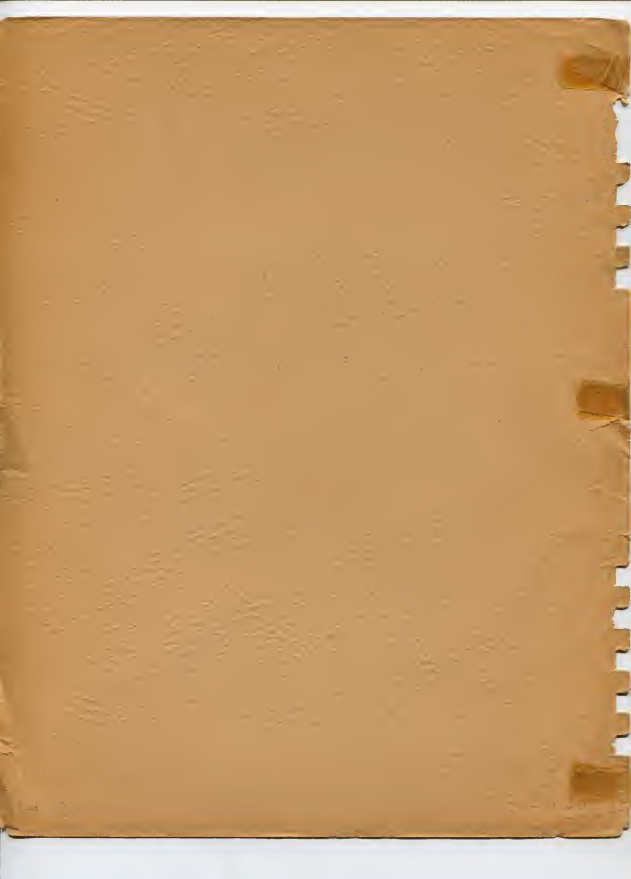


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(R)

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DAVIDSON CORPORATION, 1020 W. ADAMS ST., CHICAGO, ILL.



PARTS CATALOG

OF

DAVIDSON DUAL DUPLICATOR MODEL 221

FOURTH EDITION

To determine a part number, refer to the group to which the part relates. Locate the part in the illustration, noting the key letter which designates the part. Locate the key letter in the alphabetically arranged column. The key letter will indicate the part number and description of the part.

When ordering parts, be sure that the piece number and description of the item you need, correspond. Parts that are not shown in the cut are listed in the description following the cut, giving the piece number, explaining that the item is not shown in the photograph.

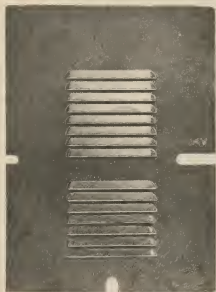
**DO NOT ORDER PARTS BY KEY LETTERS—
USE NUMBERS AND DESCRIPTIONS.**



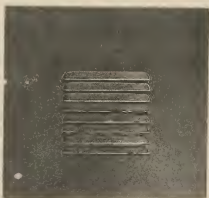
DAVIDSON CORPORATION

**1020 W. ADAMS ST.
CHICAGO, U.S.A.**

DUPLICATED IN U. S. A.



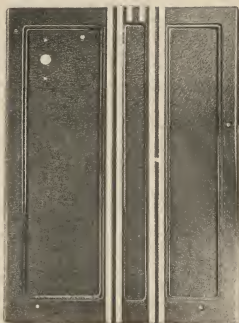
C



D



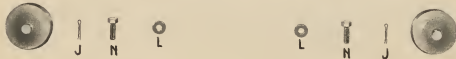
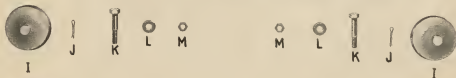
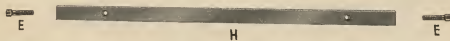
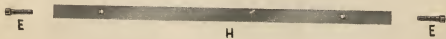
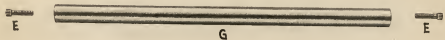
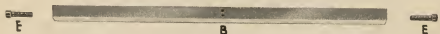
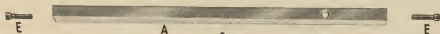
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B

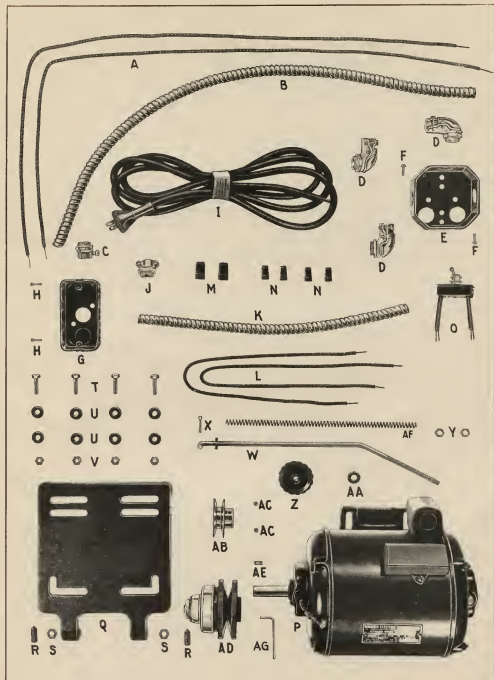
GROUP I - STAND

Code	Part No.	Description
A	221-1	Stand L.H. Frame
B	221-2	Stand R.H. Frame
C	221-3A	Stand Front Cover Plate Assembly
D	221-4A	Stand Back Cover Plate Assembly



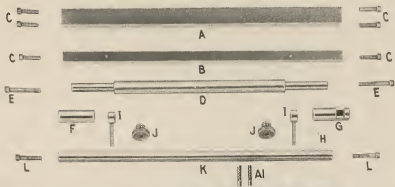
GROUP II — STAND (Continued)

Code	Part No.	Description
A	221-6	Stand Upper Front Spreader
B	221-7	Stand Upper Rear Spreader
C	221-8	Paper Catcher Support Bar Stop Plate
D	97-915	Screw for Stop Plate (2)
E	221-1079	Screw for Tie Rods (10)
F	221-9	Stand Paper Catcher Pin (6)
G	221-10	Stand Center Spreader
H	221-11	Stand Lower Spreader (2)
I	221-12AA	Stand Foot Assembly (4)
J	97-996	Cotter Pin for Foot (4)
K	221-1078	Screw for Holding Head to Stand (Front) (2)
L	97-966	Washer for Screw (4)
M	97-955	Nut for Screw (2)
N	121-1075	Screw for Holding Head to Stand (Rear) (2)



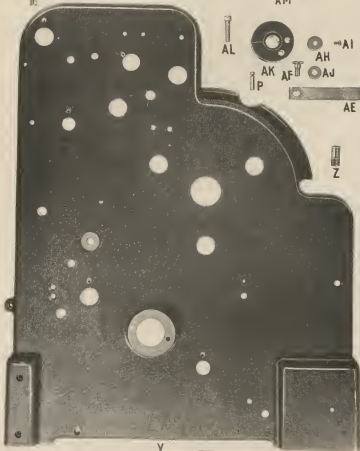
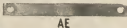
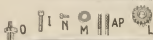
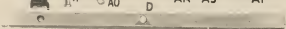
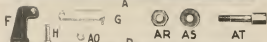
GROUP III — MOTOR AND WIRING

Code	Part No.	Description
A	221-14	Wire from Switch to Terminal Box (2)
B	221-15	Flexible Conduit for Wire
C	221-16	Straight Box Connector for Conduit
D	121-124	90° Box Connector for Conduit (3)
E	221-17	Switch Box
F	97-1047	Screw for Switch Box (2)
G	121-127	Terminal Box
H	221-1088	Screw for Terminal Box (2)
I	121-129	Flexible Line Cord and Plug
J	121-125	Box Connector for Line Cord
K	221-18	Flexible Conduit from Switch to Motor
L	221-19	Wire from Switch to Motor (2)
M	221-20	Large Solderless Connectors (2)
N	221-21	Small Solderless Connectors (4)
O	221-22	Switch
P	221-23	1/4 H.P. Motor (Give Complete Specifications)
Q	221-24	Motor Base
R	221-1089	Screw for Motor Base (2)
S	97-957	Nut for Screw (2)
T	97-932	Screw for Motor (4)
U	97-965	Washer for Motor Screw (8)
V	97-954	Nut for Screw (4)
W	221-25A	Motor Base Adjusting Rod
X	97-996	Cotter Pin for Adjusting Rod
Y	97-955	Nut for Adjusting Rod (2)
Z	221-26	Motor Shelf Adjusting Screw Knob (Variable Speed Pulley)
AA	97-966	Washer for Under Knob (2)
AB	221-27	Motor Pulley (Standard)
AC	97-942	Set Screw for Pulley (2)
AD	221-28	Variable Speed Pulley
AE	221-1090	Set Screw for Variable Speed Pulley
	221-447	Motor Pulley for 25 Cycle 1425 RPM
	816-688	1/3 H.P. Motor (Give Complete Specifications)
AF	221-459	Hi-Low Motor Shelf Spring
AG	A-39	1/8" Allen Wrench



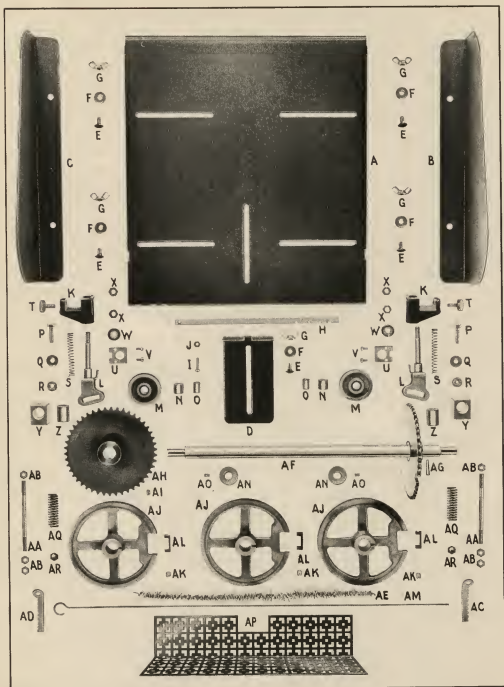
GROUP IV - LEFT-HAND MAIN FRAME

Code	Part No.	Description
A	221-29	Paper Plate Support
B	221-30A	Cleanup Attachment Guide Bar Assembly
C	221-1080	Screw for Tie Rod (6)
D	221-31	Main Frame Upper Front Spreader
E	221-1081	Screw for Tie Rod (2)
F	221-32	Upper Front Spreader R.H. Sleeve
G	221-33	Upper Front Spreader L.H. Sleeve
H	97-1031	Set Screw for L.H. Sleeve
I	221-34 A	Ink Fountain Eye Bolt (2)
J	811-605	Eye Bolt Thumb Nut (2)
K	221-35	Main Frame Tap Spreader
L	221-1082	Screw for Tap Spreader (2)
M	221-36	Form Roll Arm Spring Pin
N	221-37	Ink Fountain Roll L.H. Bearing
O	221-38	Vibrator Shaft L.H. Bearing
P	221-39	One to One Shaft L.H. Bearing (2)
Q	221-40	Throwout Pivot Stud
R	221-41	Dampening Attachment Pivot Pin
S	221-42	Spring Pin 1 1/8" Long (3)
T	221-43	Spring Pin 1 1/8" Long
U	97-920	Screw for Retaining Lower Feed Roll Bearing
V	221-489	Lower Feed Roll Bearing Washer
W	221-44	Lower Feed Roll L.H. Bearing
X	221-45	Detent Pawl Sleeve
Z	221-46	Relief Ejector Cam Guide Support
AA	221-47	Relief Ejector Cam Locating Support
AB	221-48	Blanket Drum Shaft L.H. Bearing
AC	221-49	Left Hand Main Frame
AF	221-466A	Handle Stop Plate Assembly
AG	97-920	Screw for Handle Stop Plate
AH	221-1118	Star Washer
AI	221-488	Support Bracket Dowel Pin (2)
AJ	121-1058	Tinsel Holder Stop Pin



GROUP V — RIGHT-HAND MAIN FRAME

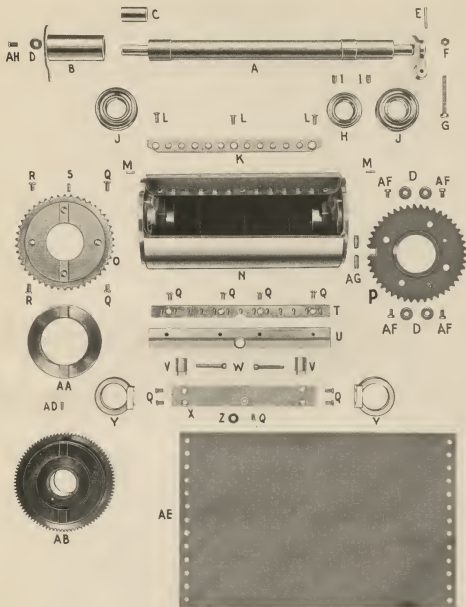
Code	Part No.	Description
A	221-50	Main Frame Spreader
B	221-1081	Screw for Main Frame Spreader (4)
C	221-1082	Screw for Main Frame Spreader (2)
D	221-51A	Main Frame Rear Spreader Assembly
E	221-1083	Screw for Rear Spreader (2)
F	221-507	Segment Adjusting Lever Holder
G	221-54A	Segment Adjusting Lever Assembly
H	221-523	Segment Adjusting Lever Stud
I	221-1080	Screw for Lever Holder
J	221-57	Intermediate Ink Roll Idler Gear Stud
L	221-59	Intermediate Ink Roll Idler Gear
M	97-961	Washer for Idler Gear
N	97-915	Screw for Idler Gear Stud
O	221-60	Ink Ductor Spring Lever Stud
P	221-36	Form Roll Arm Spring Pin
S	97-920	Screw for Ink Fountain R.H. Bearing
T	97-965	Washer for Ink Fountain R.H. Bearing (2)
U	221-62	Ink Fountain Roll R.H. Bearing
V	221-39	One to One Shaft R.H. Bearing
W	221-48	Lower Feed Roll R.H. Bearing
X	221-39	Main Drive Shaft R.H. Bearing (2)
Y	221-63	Right Hand Main Frame
Z	221-41	Dampening Attachment Pivot Stud
AA	221-64	Feeder Drive Lever
AB	97-1030	Set Screw for Drive Lever
AC	221-65	Feeder Drive Lever Pivot Stud
AD	221-1086	Nut for Pivot Stud
AE	221-66	Feeder Drive Lever Link
AF	221-67	Feeder Drive Link Screw (2)
AG	97-1005	Nut for Drive Link Screw
AH	97-1053	Washer for Retaining Drive Lever
AI	97-915	Screw for Retaining Drive Lever
AJ	97-966	Spacing Washer for Drive Link
AK	221-68	Feeder Drive Disc
AL	221-1079	Feeder Drive Disc Screw
AM	221-69	Feeder Drive Disc Washer
AN	97-1042	Screw for Retaining Drive Disc
AO	221-1109	$\frac{3}{16}$ " C Washer
AP	221-488	Support Bracket Dowel Pin (2)
AQ	121-1058	Tinsel Holder Stop Pin
AR	97-1028	Nut for Retainer Block
AS	97-963	Washer for Retainer Block
AT	221-52	Retaining Wire Block



GROUP VI—PAPER CATCHER AND EJECTOR

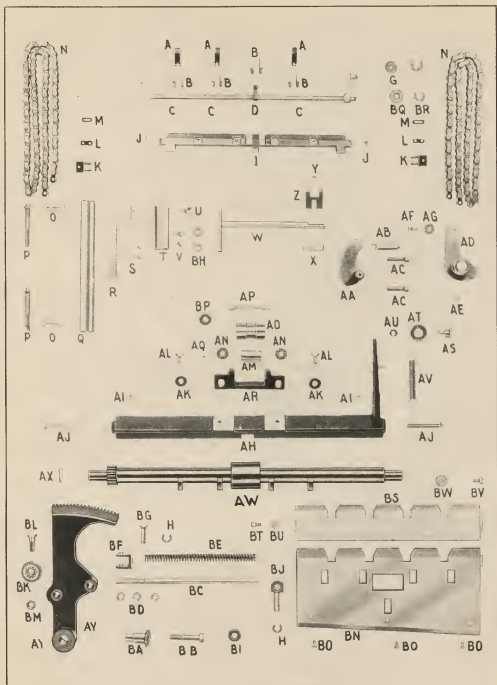
Code	Part No.	Description
A	221-70A	Paper Catcher Base Assembly
B	221-72	Paper Catcher R.H. Guide
C	221-73	Paper Catcher L.H. Guide
D	221-74	Paper Catcher Stop
E	221-1085	Carriage Bolt for Guides and Stop (5)
F	97-965	Washer for Carriage Bolt (5)
G	221-1095	Wing Nut for Bolt (5)
H	221-75	Paper Catcher Support Bar
I	133-1065	Screw for Support Bar
J	97-953	Nut for Screw
K	221-76	Upper Ejector Wheel Bracket (2)
L	221-78A	Upper Ejector Wheel Frame Assembly (2)
M	221-79	Upper Ejector Wheel (2)
N	221-80	Upper Ejector Wheel Bearing (2)
O	221-81	Upper Ejector Wheel Bushing (2)
P	97-932	Screw for Ejector Wheel (2)
O	97-965	Washer for Screw (2)
R	221-82	Upper Ejector Wheel Adjusting Nut (2)
S	97-722	Jogger Rod Spring (2)
T	97-133	Ejector Bracket Thumb Screw (2)
U	221-83	*Upper Ejector Wheel Guide Plate (2)
V	97-910	Screw for Guide Plate (4)
W	221-84	Adjusting Rod Thumb Nut (2)
X	97-1005	Lock Nut for Adjusting Rod (4)
Y	221-85	Lower Sprocket Shaft Bearing Block (2)
Z	221-39	Bearing for Block (2)
AA	221-535	Chain Adjusting Screw (2)
AB	97-1028	Nut for Adjusting Screw (6)
AC	221-87	Tinsel R.H. Holder
AD	221-88	Tinsel L.H. Holder
AE	221-89A	Tinsel Cord on Spring Assembly
AF	221-91A	Lower Ejector Wheel Shaft Assembly
AG	97-990	Taper Pin for Shaft
AH	221-94A	R.H. Gripper Chain Sprocket Assembly
AJ	221-96	Lower Ejector Wheel (3)
AK	97-947	Set Screw for Ejector Wheel (3)
AL	221-97	Lower Ejector Wheel Key (3)
AM	221-98	Paper Retainer Wire
AN	221-306	Set Collar (2)
AO	97-943	Set Screw for Set Collar (2)
AP	221-504	Ejector Wheel Guard
AO	133-92	Chain Adjusting Spring (2)
AR	221-1145	Cap Nut (2)

*NOTE—On Part No. 221-83 Stamped Mark "O" Must Be Placed Upward for the L.H. Wheel & Downward for the R.H. Wheel.



GROUP VII — BLANKET DRUM

Code	Part No.	Description
A	221-99A	Blanket Drum Shaft Assembly
B	221-101AA	Eccentric Sleeve Assembly
C	221-103	Eccentric Sleeve Bearing
D	97-963	Washer for Eccentric Sleeve (5)
E	133-1066	Taper Pin for Drum Shaft
F	97-1028	Lack Nut for Adjusting Screw
G	221-104	Blanket Drum Shaft and Farm Roll Adjusting Screw
H	221-105	Blanket Drum Set Callar
I	221-1096	Set Screw for Callar (2)
J	221-106	Blanket Drum Ball Bearing (2)
K	221-107	Blanket Clamp
L	97-1042	Screw for Clamp (3)
M	221-1097	Blanket Tightener Limit Pin (2)
N	221-108A	Blanket Drum Assembly
O	221-109	Drum R.H. Spracket
P	221-110A	Drum L.H. Spracket Assembly
Q	97-920	Screw as Shown (11)
R	97-1042	Screw for R.H. Spracket (2)
S	221-111	Blanket Drum Sprocket's Dawel (2)
T	221-112	Halding Bar
U	221-113	Blanket Tightener
V	221-114	Blanket Tightener Lack Nut (2)
W	221-1098	Screw for Tightener (2)
X	221-115A	Blanket Tightener Pivot Plate Assembly
Y	221-117	Blanket Drum Tightener Arm (2)
Z	97-963	Washer for Drum Tightener
AA	221-119	Blanket Drum Coupling
AB	221-120A	Blanket Drum Gear Assembly
AD	811-217	Screw Plug for Drum Gear
AE	221-122	Offset Blanket
AE	221-123	Relief Blanket
AF	97-1003	Blanket Drum Spracket Screw (4)
AG	221-1156	Spracket Adjusting Screw (2)
AH	97-1042	Thin Head Screw



GROUP VIII — GRIPPER BAR AND FEED MECHANISM

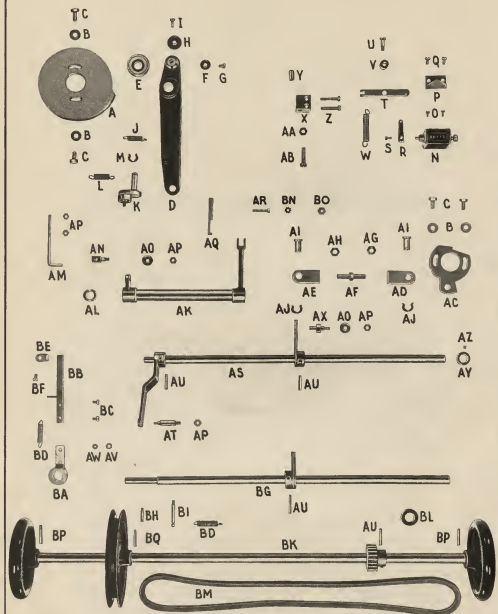
Code	Part No.	Description
A	221-484	Free Gripper Finger (3)
B	221-127	Gripper Finger Light Spring (4)
C	221-1121	Gripper Finger Pin (5)
D	221-480A	Gripper Finger Shaft Assembly
G	221-134	Gripper Cam Roller
H	221-1101	Large C Washer
I	221-481A	Gripper Bar Assembly
J	221-139	Gripper Bar Holding Screw (2)
K	221-140	Bent Lug Connecting Link (2)
L	221-141	Connecting Link Side Plate (2)
M	221-142	Connecting Link Spring Clip (2)
N	221-143	Gripper Chain (2)
O	221-144	Gripper Chain Track Support Pin (2)
P	816-1092	Screw for Track Support Pin (2)
Q	221-478	Stripper and Roller Bracket Guide
R	221-475	Offset Ejector Cam
S	97-918	Screws for Offset Ejector (2)
T	221-473	Stripper and Roller Bracket
U	97-999	Screw for Cam Holder
V	97-1003	Screw for Stripper and Roller Bracket (2)
W	221-477 A	Stripper Finger Arm Assembly
X	221-454	Stripper Finger Spacer
Y	97-911	Screw for Stripper Finger
Z	221-498	Offset Stripper Finger .004
Z	221-487	Offset Stripper Finger .017
AA	221-151A	Receiving Gripper Cam Assembly
AB	221-153	Receiving Gripper Cam Adjusting Pin
AC	221-1080	Screw for Cam (2)
AD	221-154A	Relief Ejector Cam Assembly
AE	97-947	Set Screw for Ejector Cam
AF	97-1024	Screw for retaining Ejector Cam
AG	97-960	Washer for retaining Ejector Cam
AH	221-156A	Upper Feed Roll Frame Assembly
AI	97-942	Set Screw for Frame (2)
AJ	221-157	Upper Feed Roll Frame Pivot Pin (2)
AK	97-963	Washer for Feed Roll Bracket (2)
AL	97-1003	Screw for Feed Roll Bracket (2)
AM	221-159	Upper Feed Roll Bearing Spacer
AN	97-7717	Upper Feed Roll Ball Bearing (2)
AO	221-160	Upper Feed Roll
AP	221-161	Upper Feed Roll Shaft

GROUP VIII — GRIPPER BAR AND FEED MECHANISM (Continued)

Code	Part No.	Description
AQ	97-940	Set Screw for Shaft
AR	221-162	Upper Feed Roll Bracket
AS	221-163	Upper Feed Roll Frame Cam Roller Screw
AT	221-164	Upper Feed Roll Frame Cam Roller
AU	97-1028	Nut for Screw
AV	221-165	Upper Feed Roll Frame Spring
AW	221-166A	Lower Feed Roll Assembly
AX	97-1048	Taper Pin for Lower Feed Roll
AY	221-169A	Feed Roll Gear Sector Assembly
BA	221-171	Gear Sector Pivot Stud
BB	221-1078	Screw for Pivot Stud
BC	221-172	Gear Sector Spring Rod
BD	97-1005	Nut for Spring Rod (3)
BE	221-173	Gear Sector Spring
BF	221-174	Gear Sector Spring Rod Fork
BG	221-175	Gear Sector Spring Rod Stud
BH	97-963	Washer for Support Arm Screw (2)
BI	97-966	Washer for Clamp Screw
BJ	221-176	Gear Sector Spring Rod Swivel Block
BK	221-177	Gear Sector Cam Roller
BL	221-178	Gear Sector Cam Roller Stud
BM	97-1005	Nut for Roller Stud
BN	221-179A	Feed Roll Paper Plate Assembly
BO	221-1102	Screw for Paper Plate (3)
BP	221-227	Upper Feed Roll Spacer
BQ	221-479	Gripper Finger Shaft Roller
BR	221-1109	Small C Washer
BS	221-493	Feed Roll Auxiliary Paper Plate
BT	221-497	Feed Roll Auxiliary Paper Plate Stud
BU	97-953	Nut for Stud
BV	97-920	Screw for Auxiliary Paper Plate
BW	97-954	Nut for Screw

IN ORDER TO AVOID MISTAKES

When ordering parts, be sure that the piece number and description of the item you need, correspond. Parts that are not shown in the cut are listed in the description following the cut, giving the piece number; explaining that the item is not shown in the photograph.



GROUP IX—THROWOUT—COUNTER AND MAIN DRIVE SHAFT

Code	Part No.	Description
A	221-180	Throwout Com
B	97-963	Washer (4)
C	97-1003	Screw (4)
D	221-181A	Throwout Com Lever Assembly
E	221-183	Throwout Lever Com Roller
F	97-961	Washer for Com Roller
G	97-1024	Screw for Com Roller
H	97-1053	Washer for Com Lever
I	97-915	Screw for Com Lever
J	221-184	Throwout Lever Spring
K	221-185A	Throwout Lever Stop Roller Assembly
L	221-189	Throwout Lever Stop Roller Spring
M	221-1101	C Washer for Stop Roller
N	221-190	Counter
O	97-1025	Screw for Counter (2)
P	221-191	Counter Bracket
Q	97-1024	Screw for Counter Bracket (2)
R	221-192	Counter Lever
S	221-1103	Screw for Lever
T	221-193	Counter Actuating Lever
U	221-194	Counter Lever Shoulder Screw
V	221-195	Counter Lever Spacer Collor
W	221-196	Counter Lever Spring
X	221-197	Actuating Lever Stop Bracket
Y	221-198	Actuating Lever Stop
Z	221-1104	Screw for Stop Bracket (2)
AA	97-1028	Nut for Screw
AB	97-928	Adjusting Screw for Stop Bracket
AC	221-199	Blonket Drum Lotch
AD	221-200	Throwout Link Fork—R.H. Tap
AE	221-201	Throwout Link Fork—L.H. Top
AF	221-202	Throwout Link Adjusting Screw
AG	97-1005	Nut for Adjusting Screw—R.H. Tap
AH	221-1105	Nut for Adjusting Screw—L.H. Top
AI	221-203	Throwout Link Pin (2)
AJ	221-1101	Throwout Link Pin "C" Washer (2)
AK	221-204A	Detector Arm & Actuating Lever Assembly
AL	221-207	Detector Arm Shaft Spacer
AM	221-208	Detector Connecting Link
AN	221-209	Connecting Link Swivel Block
AO	97-960	Washer for Connecting Link Swivel Block (2)
AP	97-953	Nut for Connecting Link & Swivel Block (5)

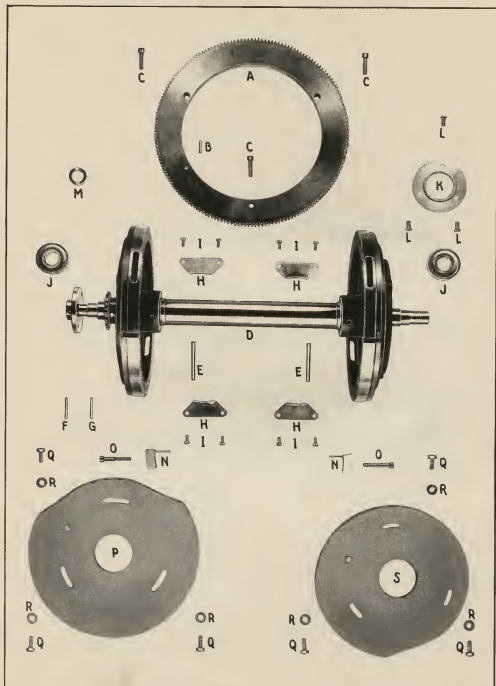
GROUP IX — THROWOUT — COUNTER AND MAIN DRIVE SHAFT (Continued)

Code	Part No.	Description
AQ	221-210	Detector
AR	97-909	Detector Pivot Screw
AS	221-211A	Detector Arm Shaft Assembly
AT	221-215	Connecting Link Pivot Stud
AU	97-982	Detector Arm Shaft Taper Pin (7)
AV	97-960	Washer for Connecting Link Pivot Stud
AW	221-1107	Nut for Connecting Link Pivot Stud
AX	221-216	Counter Detector Arm Pick Up Pin
AY	97-130	Set Collar
AZ	97-940	Set Collar Screw
BA	221-217	Detent Pawl Hub
BB	221-218A	Detent Pawl Assembly
BC	97-911	Screws for Detent Pawl (2)
BD	221-220	Detent Pawl Spring
BE	221-221	Detent Pawl Stop
BF	97-1024	Screw for Detent Pawl Stop
BG	221-222A	Lotch Shaft Assembly
BH	221-225	Detector Latch Shaft Outer Spring Stud
BI	221-226	Detector Latch Shaft Inner Spring Stud
BK	221-228A	Main Drive Shaft Assembly
BL	221-232	Main Drive Gear Spacer
BM	221-233	Main Drive Belt
BN	221-1163	Star Washer
BO	221-1107	Detector Pivot Screw Nut
BP	97-1142	Taper Pin
BQ	97-1038	Taper Pin

IN ORDER TO AVOID MISTAKES

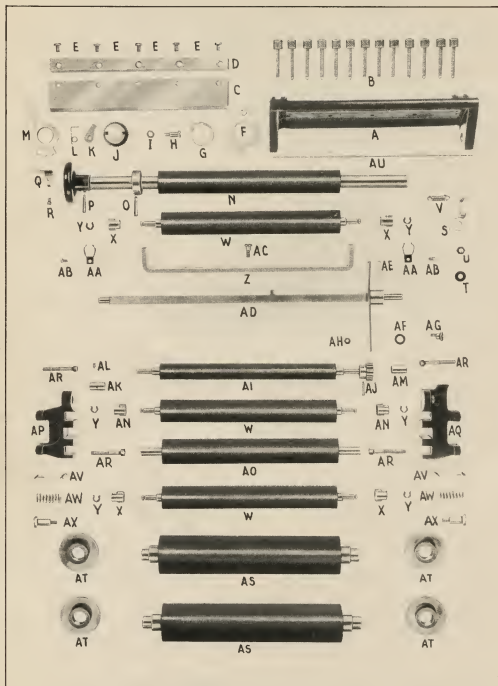
When ordering parts, be sure that the piece number and description of the item you need, correspond.

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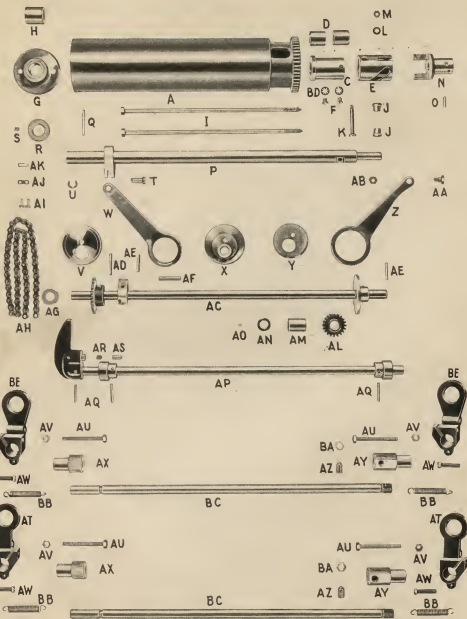
GROUP X - SEGMENT RING ASSEMBLY

Code	Part No.	Description
A	221-234	Segment Ring Gear
B	133-1062	Pin for Segment Ring Gear
C	221-1080	Screws for Segment Ring Gear (3)
D	221-235A	Segment Ring Shaft Assembly
E	221-1108	Segment Ring Taper Pin (2)
F	133-1066	Throwout Cam Hub Taper Pin
G	97-990	Segment Ring Sprocket Taper Pin
H	221-240	Segment Nut Retaining Spring (4)
I	97-915	Screws for Segment Nut Retaining Spring (8)
J	221-241	Main Frame Bearing (2)
K	221-242	Segment Ring Shaft Bearing Retainer
L	97-920	Screws for Retainer (3)
M	221-243	Segment Ring Shaft Bearing Spacer
N	221-244A	Segment Lock Nut Assembly (4)
O	221-1084	Screws for Lock Nut (2)
P	221-246A	Upper Feed Roll Cam Assembly
O	97-931	Screws for Upper Feed Roll Cam (6)
R	97-963	Washers for Upper Feed Roll Cam (6)
S	221-248A	Lower Feed Roll Cam Assembly



GROUP XI - INK FOUNTAIN

Code	Part No.	Description
A	221-249	Ink Fountain
B	221-250	Ink Fountain Adjusting Screws (13)
C	221-251	Ink Fountain Blade
D	221-252	Ink Fountain Blade Clamp
E	97-920	Screws for Ink Fountain Blade Clamp (5)
F	221-253	Ink Roll Ratchet Pawl Arm
G	221-254	Ink Roller Ratchet Arm Retaining Collar
H	221-255	Ratchet Pawl Pivot Screw
I	221-256	Pawl Pivot Screw Lock Nut
J	221-257	Ink Roller Ratchet
K	221-258	Ratchet Pawl
L	221-259	Ratchet Pawl Spring
M	221-260	Ink Ratchet Pawl Cam
N	221-261A	Ink Fountain Roll Assembly
O	97-990	Taper Pin for Ratchet Drive Collar
P	97-982	Taper Pin for Fountain Handwheel
Q	221-264	Retaining Spring
R	97-915	Screw for Retaining Spring
S	221-265A	Ink Ductor Spring Lever Assembly
T	97-963	Washer for Ink Ductor Spring Lever
U	97-954	Nut for Ink Ductor Spring Lever
V	221-457A	Ink Ductor Lever Spring Assembly
W	221-268A	Ink Ductor & Distributor Roll Assembly (3)
X	221-269	Ductor and Distributor Roll Bearing (4)
Y	221-1109	Ductor & Distributor Roll "C" Washer (6)
Z	221-270	Ductor Roll Frame
AA	221-271	Ductor Roll Clip (2)
AB	97-908	Screw for Ductor Roll Clip (2)
AC	811-223	Ductor Roll Frame Pivot Stud
AD	221-272A	Ink Ductor Roll Frame Shaft Assembly
AE	97-986	Taper Pin for Ink Ductor Roll Lever
AF	221-276	Ductor Roll Cam Roller
AG	221-277	Ductor Roll Cam Roller Screw
AH	97-953	Nut for Ductor Roll Cam Roller Screw
AI	221-278A	Intermediate Roll Assembly
AJ	97-986	Taper Pin for Intermediate Ink Roll Gear
AK	221-280	Intermediate Roll L.H. Bearing
AL	221-281	Intermediate Roll L.H. Bearing Set Screw
AM	221-58	Intermediate Roll R.H. Bearing
AN	221-282	Front Distributor Roll Bearing (2)
AO	221-283A	Idler Roll Assembly
AP	221-284A	L.H. Roll Support Bracket Assembly
AQ	221-285A	R.H. Support Bracket Assembly
AR	221-1081	Screws for Support Bracket (4)
AS	221-286A	Ink Form Roll Assembly (2)
AT	221-288A	Form Roller Cam Disc Assembly (4)
AU	221-440	Fountain Screw Holding Wire
AV	221-449	Bracket Retaining Plate (2)
AW	97-7738	Bracket Retaining Plate Spring (2)
AX	221-194	Bracket Retaining Plate Stud (2)



GROUP XII - INK FOUNTAIN (Continued)

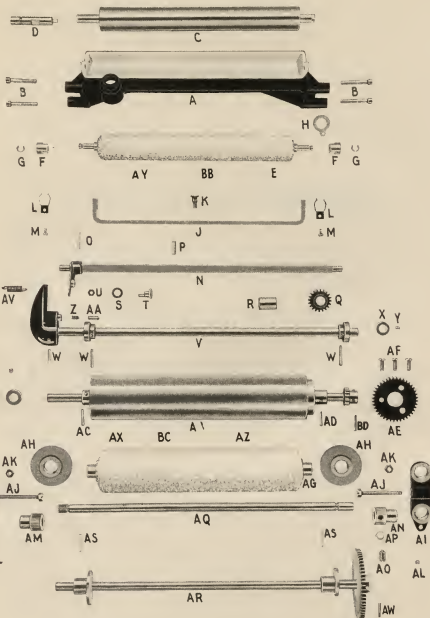
Code	Part No.	Description
A	221-290A	Vibrator Roll Assembly
C	221-293	Vibrator Cam Sleeve Support
D	221-294	Vibrator Cam Sleeve Support Bearing (2)
E	221-295	Vibrator Roll Cam
F	121-1059	Screws for Vibrator Roll Cam (2)
G	221-296	Vibrator Roll L.H. End
H	221-297	Vibrator Roll L.H. End Bearing
I	221-298A	Vibrator Tie Bolt Assembly (2)
J	221-300	Vibrator Roll Cam Roller (2)
K	221-301	Vibrator Roll Cam Roller Shaft
L	221-1117	Lock Washer for Com Roller Shaft
M	97-953	Nut for Cam Roller Shaft
N	221-302A	Vibrator Roll Com Guide Assembly
O	121-1073	Pin for Vibrator Roll Cam Guide
P	221-304A	Vibrator Roll Shaft Assembly
Q	97-983	Taper Pin for Vibrator Roll Rocker Lever
R	221-306	Vibrator Shaft Set Collar
S	97-943	Set Screw for Vibrator Roll Shaft Set Collar
T	221-307	Vibrator Link Pin
U	221-1101	"C" Washer for Vibrator Link Pin
V	221-308	Ink Roll Connecting Link Retainer Plate
W	221-309	Vibrator Roll Connecting Link
X	221-310	Ink Roll and Vibrator Roll Eccentric
Y	221-311	Vibrator Roll Connecting Link Retainer Plate
Z	221-312	Ink Roll Connecting Link
AA	221-313	Ink Roll Connecting Link Shoulder Screw
AB	97-1028	Nut for Connecting Link Screw
AC	221-314A	One-to-One Shaft Assembly
AD	97-982	Taper Pin for One-to-One Shaft Sprocket
AE	97-983	Taper Pin for One-to-One Shaft Lever & Com (2)
AF	221-316	Eccentric Drive Arm Pin
AG	221-320	One-to-One Shaft Sprocket Spacing Collar
AH	221-321	One-to-One Shaft Drive Chain
AI	221-322	Connecting Link Pin Plate
AJ	221-141	Connecting Link Side Plate
AK	221-142	Connecting Link Spring Clip
AL	221-323	Vibrator Roll Idler Gear
	221-323A	Vibrator Roll Idler Gear with Bearing Assembly
AM	221-39	Vibrator Roll Idler Gear Bearing
AN	97-130	Set Collar
AO	97-940	Set Collar Set Screw
AP	221-324A	Ink Form Roll Cam Shaft Assembly

GROUP XII — INK FOUNTAIN (Continued)

Code	Part No.	Description
AQ	97-1038	Taper Pin for Cam and Handle (3)
AR	221-437	Handle Plunger Spring
AS	221-438	Handle Plunger
AT	221-460	Inner Ink Form Roll Bracket (2)
AU	221-104	Ink Form Roller Lifter Bracket Screw (4)
AV	221-456	Nut for Lifter Bracket Screw (4)
AW	97-1139	Fillister Head Screw for Lifter Bracket (4)
AX	221-463	Ink Form Roll R.H. Eccentric (2)
AY	221-462	Ink Form Roll L.H. Eccentric (2)
AZ	221-332A	Form Roll Shaft Retainer (2)
BA	97-1046	Form Roll Spring and Ball Housing Nut (2)
BB	221-336	Ink Form Roll Spring (4)
BC	221-337	Ink Form Roll Shaft (2)
BD	221-1117	Vibrator Roll Cam Screw Star Washer (2)
BE	221-461	Outer Ink Form Roll Bracket (2)

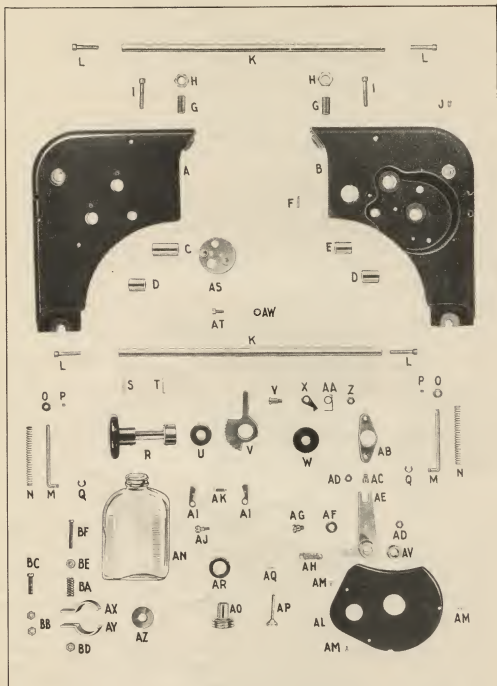
IN ORDER TO AVOID MISTAKES

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GROUP XIII—DAMPENING UNIT

Code	Part No.	Description
A	221-338	Dampening Fountain
B	221-1084	Screws for Dampening Fountain (4)
C	221-339A	Dampening Fountain Roll Assembly
D	221-343	Dampening Fountain Roll Center Pin
E	221-344A	Dampening Ductor Roll Assembly
F	221-269	Dampening Ductor Roll Bearing (2)
G	221-1109	"C" Washer for Ductor Roll Bearing (2)
H	221-347	Spring Clip (Dampening Fountain)
J	221-270	Ductor Roll Frame
K	811-223	Ductor Roll Frame Pivot Stud
L	221-271	Ductor Roll Clip (2)
M	97-908	Screws for Ductor Roll Clip (2)
N	221-348A	Dampening Ductor Roll Frame Shaft Assembly
O	97-987	Taper Pin for Water Ductor Cam Roller Lever
P	221-273	Ductor Roll Frame Limit Pin
Q	221-350	Idler Gear (Dampening)
	221-350A	Idler Gear with Bearing (Dampening) Assembly
R	221-39	Dampening Idler Gear Bearing
S	221-276	Cam Roller
T	221-277	Ductor Cam Roller Screw
U	97-953	Nut for Cam Roller Screw
V	221-351A	Dampening Form Roll Cam Shaft Assembly
W	97-1038	Taper Pin for Cam Shaft Assembly (3)
X	97-130	Set Collar (2)
Y	97-940	Set Collor Screw (2)
Z	221-437	Handle Plunger Spring
AA	221-438	Handle Plunger
AB	221-355A	Dampening Distributing Roll Assembly
AC	97-982	Taper Pin for Distributing Roll
AD	97-1038	Taper Pin for Distributing Roll (2)
AE	221-359	Dampening Distributing Roll Gear
AF	97-1042	Screws for Distributing Roll Gear (3)
AG	221-450A	Dampening Form Roll Assembly
AH	221-288A	Form Roll Cam Disc Assembly (2)
AI	221-455	Dampening Form Roll Bracket (2)
AJ	221-104	Form Roll Bracket Adjusting Screw (2)
AK	221-456	Nut for Form Roll Bracket Screw (2)
AL	97-1139	Clamp Screw for Form Roll Bracket
AM	221-463	R. H. Dampening Form Roll Eccentric
AN	221-462	L. H. Dampening Form Roll Eccentric
AO	221-332A	Form Roller Shaft Retainer Assembly
AP	97-1046	Form Roller Shaft Retainer Nut
AQ	221-365	Dampening Form Roll Shaft
AR	221-370A	Cam Shaft Gear Assembly (Dampening)
AS	97-1038	Taper Pins for Cams and Gear (2)
AT	221-371	Drive Shaft Set Collor
AU	97-942	Set Screw for Collar
AV	221-329	Dampening Ductor Roll Shaft Spring
AW	97-982	Taper Pin for Cam Shaft Gear Assembly (Dampening)
AX	221-508	Molomite Dampening Form Roll Cover
AY	221-509	Molomite Dampening Ductor Roll Cover
AZ	221-435	Aquorite Dampening Form Roll Cover
BB	221-434	Aquorite Dampening Ductor Roll Cover
BC	221-452	Baseorite Cover
BD	221-1155	Taper Pin



GROUP XIV - DAMPENING UNIT (Continued)

Code	Part No.	Description
A	221-372	Dampening Attachment L.H. Frame
B	221-373	Dampening Attachment R.H. Frame
C	221-374	Dampening Distributing Roll L.H. Bearing
D	221-39	One-to-One Cam Shaft Bearing (2)
E	221-375	Dampening Distributing Roll R.H. Bearing
F	221-158	Dampening Ductor Spring Pin
G	221-376	Dampening Attachment Adjusting Screw (2)
H	811-203	Dampening Attachment Adjusting Screw Nut (2)
I	221-1084	Screws for Dampening Attachment (2)
J	97-943	Set Screw (Fountain Roll Center Pin)
K	221-377	Dampening Attachment Crass Rod (2)
L	221-1082	Screws for Crass Rods (4)
M	221-378	Dampening Form Roll Spring Rod (2)
N	221-379	Dampening Form Roll Spring (2)
O	221-380	Dampening Farm Roll Spring Set Callar (2)
P	97-940	Set Screw for Spring Set Callar (3)
O	221-1109	"C" Washer for Spring Rod (2)
R	221-381A	Dampening Roll Drive Shaft Assembly
S	97-982	Taper Pin for Handwheel
T	97-983	Taper Pin for Ratchet Set Callar
U	221-383	Ratchet Pawl Cam Spacer
V	221-384	Ratchet Pawl Cam
W	221-385	Ratchet
X	221-358	Dampening Roll Ratchet Pawl
Y	221-255	Ratchet Pawl Stud
Z	221-256	Pawl Pivot Screw Lock Nut
AA	221-259	Ratchet Pawl Spring
AB	221-388	Ratchet Pawl Lever
AC	221-389	Ratchet Operating Lever Stud
AD	97-1028	Nut for Operating Lever Stud (2)
AE	221-390A	Ratchet Operating Arm Assembly
AF	221-276	Fountain Roll Cam Roller
AG	221-392	Fountain Roll Cam Roller Screw
AH	221-458A	Ratchet Operating Arm Spring
AI	221-393	Ratchet Cam Retaining Pawl (2)
AJ	221-394	Ratchet Cam Retaining Pawl Pivot Screw
AK	221-395	Ratchet Cam Retaining Pawl Spring
AL	221-396	Gear Cover Plate
AM	97-1025	Screws for Gear Cover Plate (3)
AN	221-397	DampOrite Battle
AO	221-398A	DampOrite Valve Barrel Assembly
AP	221-400	DampOrite Valve Plunger
AQ	221-401	DampOrite Valve Plunger Pin
AR	221-402	DampOrite Battle Sealing Washer
AS	221-466A	Handle Stop Plate
AT	97-920	Screw for Handle Stop Plate
AV	97-130	Set Callar
AW	221-1118	Star Washer

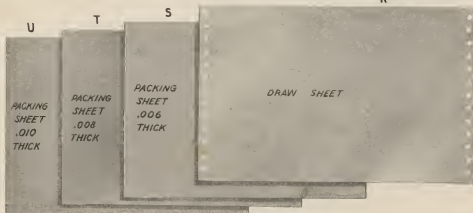
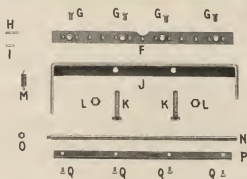
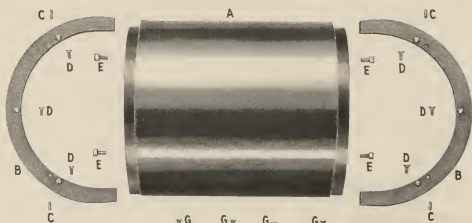
GROUP XIV - DAMPENING UNIT (Continued)

Code	Part No.	Description
AX	221-499	Upper Brake Shoe
AY	221-500	Lower Brake Shoe
AZ	221-383	Ratchet Pawl Cam Spacer
BA	133-136	Scoring Roll Adjustable Pressure Spring
BB	97-224	Detector Detaining Spring Screw Nut (2)
BC	97-928	1/4-28x1 Fillister Head Screw
BD	97-953	Hexagon Nut
BE	97-960	Steel Washer
BF	97-1054	Fillister Head Screw

IN ORDER TO AVOID MISTAKES

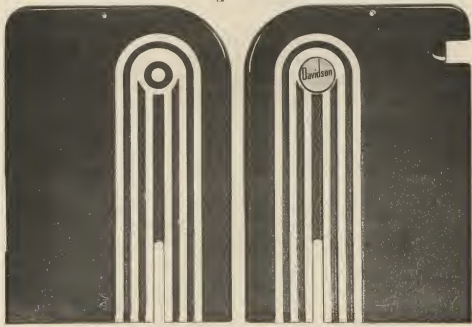
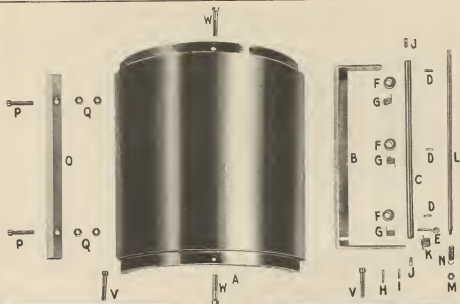
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GROUP XV - IMPRESSION SEGMENT

Code	Part No.	Description
A	221-403	Platen Segment
B	221-404	Form Roller Cam (2)
C	221-405	Form Roller Cam Dowel Pin (4)
D	97-1039	Screws for Form Roller Cam (6)
E	221-1087	Screws for Platen Segment (4)
F	221-112	Holding Bar
G	97-990	Screws for Holding Bar (4)
H	221-406	Platen Take Up Frame Spring Pin
I	121-1058	Stop Pin
J	221-407A	Platen Draw Sheet Take Up Frame Assembly
K	221-409	Draw Sheet Take Up Screw (2)
L	97-1005	Draw Sheet Take Up Half Nut (2)
M	221-411	Draw Sheet Take Up Frame Spring
N	221-412	Platen Take Up Frame Pivot Rod
O	97-953	Nut for Pivot Rod
P	221-413	Draw Sheet Holding Plate
Q	133-1064	Screws for Holding Plate (4)
R	221-414	Draw Sheet
S	221-415	.006 Packing Sheet (4)
T	221-416	.008 Packing Sheet (4)
U	221-417	.010 Packing Sheet (4)



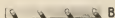
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GROUP XVI - PLATE SEGMENT AND COVERS

Code	Part No.	Description
A	221-418	Plate Segment
B	221-419	Plate Take Up Frame
C	221-420	Plate Clamp Eccentric Roller Shaft
D	221-421	Plate Clamp Eccentric Roller Pin (3)
E	221-422	Plate Clamp Release
F	221-423	Plate Clamp Eccentric Roller (3)
G	221-424	Plate Clamp Eccentric Roller Spring (3)
H	221-406	Plate Takeup Frame Spring Pin
I	121-1058	Stop Pin
J	811-217	Pivot Screw (2)
K	221-425	Eccentric Roller Shaft Spring
L	221-412	Plate Takeup Frame Pivot Rod
M	97-953	Nut for Plate Clamp Pivot Rod
N	221-411	Plate Take Up Frame Spring
O	221-426	Plate Anchor Bar
P	221-1129	Screws for Plate Anchor Bar (2)
Q	97-1028	Nuts for Plate Anchor Bar Screws (4)
R	221-427	L.H. Main Frame Cover
	121-116	Name Plate
	97-952	Nut for Name Plate
S	221-428	R.H. Main Frame Cover
T	221-429	Main Frame Cover Lug (2)
U	97-915	Screws for Main Frame Cover Lug (4)
V	221-1084	Screws for Main Frame Cover (2)
W	221-1084	Screw for Lock Nut (2)



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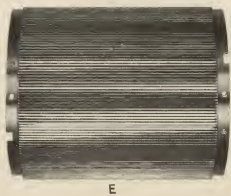
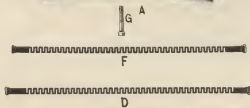
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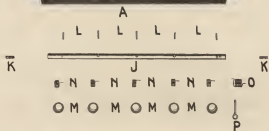
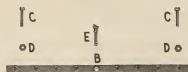
GROUP XVII - CLEANUP ATTACHMENT AND ACCESSORIES

Code	Part No.	Description
A	221-430	Cleanup Attachment Body
B	221-431	Cleanup Attachment Scraper Clamp
C	221-433	Cleanup Attachment Scraper
D	97-1028	Nuts for Scraper (2)
E	97-928	Screws for Cleanup Attachment (2)
F	A-13	Allen Hex. Key for $\frac{5}{16}$ Cop Screws
G	A-14	Allen Hex. Key for $\frac{1}{4}$ Cop Screws
H	A-1	Small Screw Driver
I	A-16	Large Screw Driver
J	A-2	Oil Con 4" Spout
K	A-18	Oil Con 6" Spout
L	A-19	Ink Knife
M	A-20	$\frac{1}{16}$ Hex. T Handle Wrench
N	A-3	Wrench ($\frac{9}{16}$ and $\frac{1}{2}$)
O	A-4	Wrench ($\frac{1}{16}$ and $\frac{3}{16}$)
P	A-22	Cover
Q	A-32	Dampening Form Roll Cover Tool
R	A-35	Clip Extractor
S	A-36	Box of Clips
U	121-1100	Scraper Clamp Screw (4)
V	A-31A	$\frac{1}{4}$ " Allen Head "T" Handle Wrench



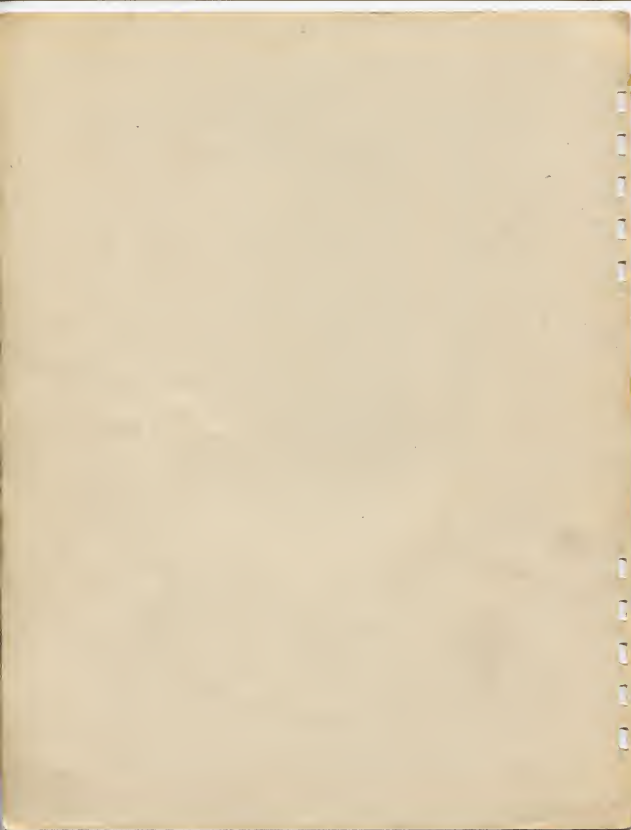
GROUP XVIII - RUBBER AND RAIL SEGMENTS

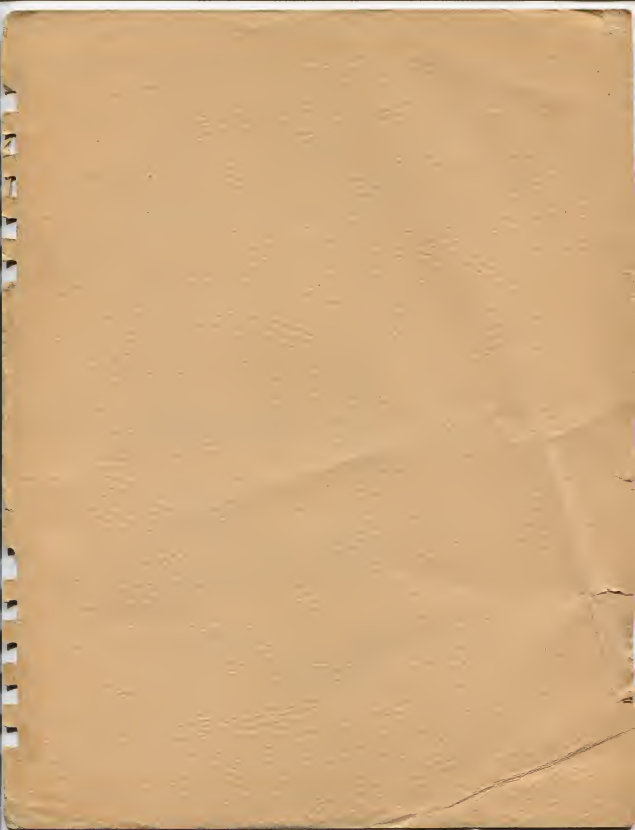
Code	Part No.	Description
A	221-441	Rubber Plate Segment
B	221-442	Marginal Band Retainer (2)
C	121-1076	Screws for Marginal Band Retainer (8)
D	221-443	Marginal Band for Rubber Plate Segment (3)
E	221-444A	Rail Segment Assembly
F	221-445	Marginal Band for Rail Segment (3)
G	221-1084	Screw for Lock Nut (2)



GROUP XIX

Code	Part No.	Description
A	A-23	Plate Segment (for Multilith Plates)
B	A-24 A	Plate Holding Bar Assembly
C	A-37	Holding Bar Thumb Screw (2)
D	97-953	Nut for Screws (3)
E	A-26	Holding Bar Swivel Pin
F	97-961	Washer for Holding Bar Swivel Pin
H	A-25	Holding Bar Base
I	97-925	Screw for Holding Bar Base (2)
J	A-33	Accessory Plate Clamp Roller Shaft
K	811-217	Pivot Screw (2)
L	221-421	Plate Clamp Eccentric Roller Pin (5)
M	221-423	Plate Clamp Eccentric Roller (5)
N	221-424	Plate Clamp Eccentric Roller Spring (5)
O	221-425	Eccentric Roller Shaft Spring
P	221-422	Plate Clamp Release
Q	221-412	Plate Takeup Frame Pivot Rod
R	97-953	Nut for Plate Clamp Pivot Rod
S	221-411	Plate Take Up Frame Spring
T	221-419	Plate Take Up Frame
U	221-1084	Screw for Lock Nut (2)
V	221-406	Plate Takeup Frame Spring Pin
W	121-1058	Stop Pin





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